

**CORROSION RESISTANT MEMBER**

**Patent number:** JP10045467  
**Publication date:** 1998-02-17  
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**Classification:**  
- **International:** C04B35/44; B01J19/02; C04B35/00; C23F4/00;  
H01L21/205; H01L21/3065  
- **European:**  
**Application number:** JP19960201563 19960731  
**Priority number(s):**

**Abstract of JP10045467**

**PROBLEM TO BE SOLVED:** To prevent the falling of grains from the surface of a sintered compact of glass, stainless steel, alumina or AlN used so far and the generation of particles by gradual progress of corrosion caused owing to unsatisfactory corrosion resistance to fluorine-contg. plasma.

**SOLUTION:** A part of a member exposed to fluorine-contg. corrosive gas such as CF<sub>4</sub> or SF<sub>4</sub> or plasma of the gas is made of a sintered compact of a multiple oxide contg. a group IIIa metal of the Periodic Table such as Y, La, Ce, Nd or Dy and Al and/or Si, e.g. 3Y<sub>2</sub> O<sub>3</sub> .5Al<sub>2</sub> O<sub>3</sub> , 2Y<sub>2</sub> O<sub>3</sub> .Al<sub>2</sub> O<sub>3</sub> , Y<sub>2</sub> O<sub>3</sub> .Al<sub>2</sub> O<sub>3</sub> , a di- or monosilicate.

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